

SEQUENCE LISTING

<110> APPLICANT: Samuel I. Achilefu
Raghavan Rajagopalan
Richard B. Dorshow
Joseph E. Bugaj
ASSIGNEE: Mallinckrodt Inc.

<120> TITLE: Hydrophilic Cyanine Dyes

<130> DOCKET/FILE REFERENCE: MRD-66

<150> PRIOR APPLICATION NUMBER: 09/484,319

<151> FILING DATE: 2000-01-18

<160> NUMBER OF SEQUENCES: 8

<170> SOFTWARE: FastSEQ for Windows Version 3.0

<210> SEQ ID NO:1

<211> LENGTH: 8

<212> TYPE: PRT

<213> ORGANISM:Synthetic

<221> MOD_RES

<222> (1)...(0)

<223> Xaa = D-Phe

<224> Xbb = Cys with an intramolecular disulfide bond
between two Cys amino acids

<225> Xcc = D-Trp

<400> SEQ ID NO:1

Xaa Xbb Tyr Xcc Lys Thr Xbb Thr
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<210> SEQ ID NO:2

<211> LENGTH: 8

<212> TYPE: PRT

<213> ORGANISM:Synthetic

<221> MOD_RES

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<223> Xaa = D-Phe

<224> Xbb = Cys with an intramolecular disulfide bond
between two Cys amino acids

<225> Xcc = D-Trp

<226> Xdd = Thr-OH

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Xaa Xbb Tyr Xcc Lys Thr Xbb Xdd
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<228> Xff = D-Asp

<229> Xgg = D-Lys

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      <400> SEQ ID NO:8
Xgg Pro Arg Arg Pro Tyr Ile Leu
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<211> LENGTH: 8

<212> TYPE: PRT

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<222> (1)...(0)

<223> Xaa = D-Phe

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 between two Cys amino acids

<225> Xcc = D-Trp

<400> SEQ ID NO:1

Xaa Xbb Tyr Xcc Lys Thr Xbb Thr
 1 5

<210> SEQ ID NO:2

<211> LENGTH: 8

<212> TYPE: PRT

<213> ORGANISM:Synthetic

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<222> (1)...(0)

<223> Xaa = D-Phe

<224> Xbb = Cys with an intramolecular disulfide bond
 between two Cys amino acids

<225> Xcc = D-Trp

<226> Xdd = Thr-OH

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Xaa Xbb Tyr Xcc Lys Thr Xbb Xdd
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<400> SEQ ID NO:3
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<210> SEQ ID NO:4
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<400> SEQ ID NO:4
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<210> SEQ ID NO:5
<211> LENGTH: 8
<212> TYPE: PRT
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<221> MOD_RES
<222> (1)...(0)

<400> SEQ ID NO:5
Asp Tyr Met Gly Trp Met Asp Phe
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<210> SEQ ID NO:6
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<212> TYPE: PRT
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Asp Tyr Nle Gly Trp Nle Asp Phe
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<400> SEQ ID NO:7
Xff Tyr Nle Gly Trp Nle Asp Phe
1 5

<229> Xgg = D-Lys

<400> SEQ ID NO:8

Xgg Pro Arg Arg Pro Tyr Ile Leu

1 5